



MATERIAL SAFETY DATA SHEET

BVA 13 Formulating Oil

SECTION 1: General Information

Manufacturer/Supplier Name:	Phone :	248-348-4920
BVA OILS	Emergency :	CHEMTRAC
48845 West Road		1-800-424-9300
Wixom, Mi 48393-6042	Date prepared:	9/25/97

SECTION II: COMPONENT INFORMATION

Chemical Name	CAS REG NO.	PERCENTAGE (%)
Severely hydrotreated paraffinic oil. (C18-C35)	72623-84-8 72623-86-0 72623-87-1	100%

SECTION III: POTENTIAL HEALTH EFFECTS FROM OVEREXPOSURE

EYE : May cause eye irritation.

INHALATION : If sprayed or misted may cause chemical pneumonitis.

INGESTION : Low toxicity on ingestion, has laxative effect.

SKIN : Minimally irritating. Prolonged contact can cause dermatitis.

SECTION IV : FIRST AID PROCEDURES

EYE : Check for and remove contact lenses. DO NOT use an eye ointment. Copious warm water flush 15 minutes. Physician assessment if eyes inflamed.

SKIN: Remove contaminated clothing. Launder or dry clean clothes before reuse. Soap and water wash. Dispose of leather articles.

INHALATION : Evacuate to safe area with plenty of fresh air. If victim is not breathing perform mouth-to-mouth resuscitation. Adminster oxygen if available. Allow victim to rest in well ventilated area then seek medical aid immediately.

INGESTION : DO NOT induce vomiting. Force fluids. Activate charcoal tablets.

SECTION V : FIRE FIGHTING PROCEDURES

This product is: Combustible

FLASH POINT °F= COC	>166C (331F)	LOWER EXPLOSIVE LIMIT	NOT APPLICABLE
		AUTO IGNITION TEMPERATURE	235C(455F)
UNUSUAL HAZARDS :	Burning fluid may evolve irritating/noxious fumes.		
EXTINGUISHING AGENTS :	Small fire use dry chemical, CO2 foam, water spray. Large fire use water spray, fog or foam. DO NOT use water jet.		
PROTECTIVE CLOTHING :	Fire-fighters should use NIOSH/MNSA approved self-contained breathing apparatus and full protective gear.		
FIRE-FIGHTING PROCEDURES :	Use water fog to cool fire exposed containers. USE WATER CAREFULLY NEAR EXPOSED/BURNING LIQUIDS. May cause frothing and splashing of hot material.		

SECTION VI : SPILL OR LEAK HANDLING PROCEDURES

PERSONAL PROTECTION :	Safety glasses, respirator not normally necessary. If mist generated by heating, spraying, etc. wear approved organic vapor respirator suitable for oil mist in areas with sufficient oxygen. For direct contact of hydrocarbons more than 2 hours, viton or nitrile gloves are recommended, otherwise, PVC gloves may be used. Wear long-sleeved clothing to minimize skin contact.
PROCEDURES:	Floor may be slippery: use care to avoid falling. Contain spill immediately with inert material (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.
	CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION VII : HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing.
 Ensure that containers are properly secured before moving.
 Keep container closed and keep away from oxidizing materials.
 Store in cool, well ventilated area.

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

SECTION VIII : COMPONENT EXPOSURE LIMITS & PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT		OSHA		ACGIH		CARCINOGENIC
COMPONENT	UNITS	TWA	STEL	TLV	STEL	
Severely hydrotreated paraffinic oil	mg/m ³	5	AN	5	NA	No carcinogens

PERSONAL PROTECTION MEASURES

EYE	Safety glasses (ANSI Z87.1) or approved equivalent.
SKIN	Strongly recommend protective gloves, especially for prolonged exposures. Gloves should be removed immediately if there is any indication of degradation or chemical breakthrough. Long sleeved clothing to minimize skin contact.
INHALATION	Use in well ventilated area. If mist is being generated and exceeds the TWA/TLV listed above, then a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

SECTION IX : PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	Colorless to pale straw	SPECIFIC GRAVITY (WATER=1)	0.85-0.86
BOILING POINT	600-894F		
PHYSICAL STATE	LIQUID	POUR POINT	-18F
ODOR	Hydrocarbon	VISCOSITY SUS 100F	
VAPOR DENSITY (AIR=1)	NA	SOLUBILITY IN WATER	Negligible

SECTION X : STABILITY & REACTIVITY

STABILITY:	Stable
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CONDITIONS TO AVOID:	Excessive heat formation.
MATERIAL TO AVOID:	Strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, smoke on combustion, COx, et.
HAZARDOUS DECOMPOSITION:	COx smoke on combustion.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION X I: TOXICOLOGICAL INFORMATION

Toxicity data for similar material is listed below

Oral LD50 - Rat	>5000 mg/kh
Skin irritation	May cause irritation and possible dermatitis.
Eye Irritation	Slight irritation.

SECTION XIII : WASTE DISPOSAL

All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

SECTION XIV : REGULATORY INFORMATION

Degree of Hazard	NFPA	HMIS	HAZARD RATINGS	
Health	0	0	0	Insignificant
Fire	1	1	1	Moderate
Reactivity	0	0	2	High

SECTION XIV: Transport Information

This product is non-hazardous. The product contains no known carcinogens. No special warning labels are required under OSHA 29CFR 1910.1200. OSHA hazard warning are not applicable for this product; Therefore no OSHA Warnings would appear on the label. No EPA hazard classification code.

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO USE, HANDLE, STORE, TRANSPORT OR ARE OTHERWISE EXPOSED TO THIS PRODUCT. WE BELIEVE THE INFORMATION IN THIS DOCUMENT TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKE NO GUARANTEE THAT IT IS.